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May 18, 2005

Dear Susan C. Alimenti,

My name is Sung Ho Park and I am writing you in regards to the Autofeeding pet dispenser you have reviewed.

I am sending this letter in order to alleviate a misunderstanding concerning my application.

I understand the reason for the rejection of my application is due to the similar nature of the dispensing discs attached to shaft 14 and dispensing discs 18', 26'. This was never contested and I fully agree with your finding. However, according to the diagrams I received with my claim rejection, Arentoft's dispensing disks are fixed to the inner side of the dispensing tube (Fig 2, 18' & 26'). In fact, Arentoft's dispensing disks 18', 26' must be fixed to the tube in order to function property. My invention requires freely rotating dispensing discs that are not attached to the inner side of the tube 32'. I am providing a diagram to illustrate the difference between the two units.

I believe the reason for the rejection of my application may have been a misunderstanding. If it is possible for you to grant me 10 minutes of interview time I will be happy to show you the difference using prototypes I have developed. I humbly request you will review my application based on this letter.

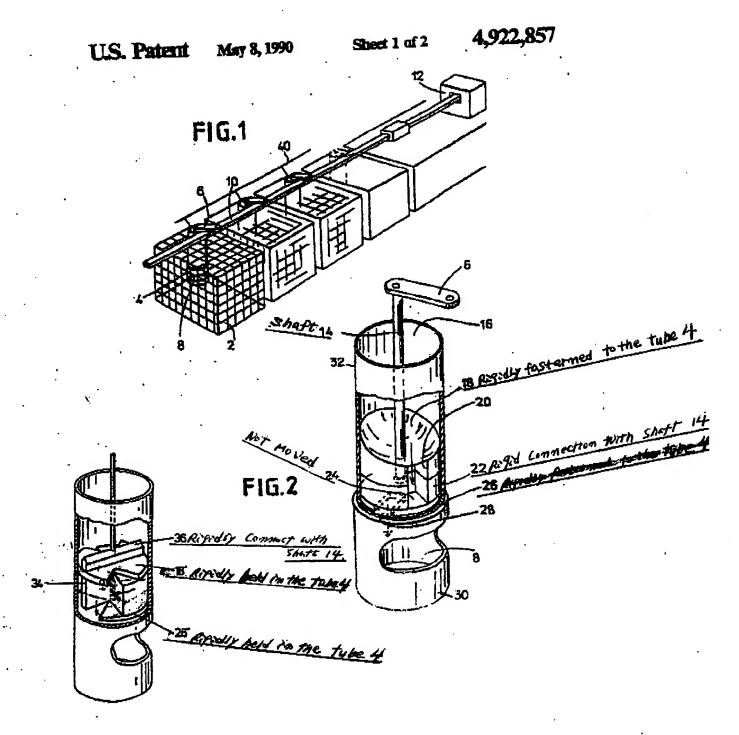
Sincerely,

Suno Ho Park

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downwardly vaulted towards no outer, axial through 30; and, undernext the block member 160 a thick dish 22, which is in rigid convention with the shaft 14 and has an ower, axial the righ massage 24, which by a pivotian of the lever 6 rays be control to and from a position just undermeath the upper passage 20. Under neath the first a promoted another disc. 3. which is rigidly fastened to the tube 4 and has an artal through sponds to that of the passages 30 and 24, but which is 10 peripherally staggered from the upper passage 20 in such a manner that the passage 24 in the rotatable disc 22 by a pivoting forth and back of the lever 6 will be muvable between opposed positions, in which the passage 24 will correspond with the passages 20 and 28, 15 respectively.

In this manner there is provided a downlet valve, in which fodder portions are invasored out in the passage 24 and are brought to full freely down through the bottom passage 28 to the battom of the tube 4 when the lever 6 is operated. It can be chosen to utilize a "normal function", by which the passage 24 is not moved into full debusching into the outlet passage, such that only a part of the fodder portion will be discharged; by an adjustment of the end positions of the actuator rod it is then, when desired, possible to produce on increase or a decrease of the fodder doses. Such general adjustments may be desirable during certain periods of time, e.g. just before the pairing period.

The tube 4 may be designed telescopically with a lower end portion 30 provided with the hole 8 and consisting e.g. of stainless steel, and an upper pipe por-tion 32 which is secured to the cage in any suitable manner, whereby the height position of the eating opening 8 and the associated bottom of the said end portion 30 may be adjusted according to the requirements.

The fodder may be filled into the chambers 16 manually or by supply from an automatic conveyor, c.g. as known from hog feeding systems. The dosing out of the 40 fodder portions could even be arranged to take place directly from such a nonveyor system in the desired intermittent manner.

In the dispenser according to FIG. 2 the shaft 14 may be provided with unlially projecting stirring pins down in the chamber 16, whereby possible formations of holding bridges in the fodder material may be counteracted. The pronounced concavity of the upper valve block member 18 towards the passage 20 results in the fodder 16, so that no part of the material will stand still during the successive feeding operations and thus not become tainted

FIGS. 3-5 show a preferred design of the valve in the dispenser. Here the upper valve block member is a thin 55 disc 18' having two opposed notches 20', while the intermediate thick disc 22' has two motches 24' similar to the notches 20', but located next to each other, separated by a narrow wing portion 34. The lower valve disc 26' has but a single similar notch 28'. As in FIG. 2 60 the intermediate member 22' is connected with the shaft 14, while the two outer members 15 and 26 are rigidly held in the tube 4, with their respective notches 20 and 28' out of registry. On the top of the upper disc 18' is placed a cross block member 36, which is rigidly con-65 nected with the shall 14, such that in operation it will be turned between the opposed positions shown in FIGS. 4 and 6, respectively.

The valve here discussed is a double acting valve which will deliver a founder portion as housed in either of the notch passiges 24' through the bottom notch 28' each time the lever 6 is pivoted in either direction. In that respect the drawings are believed to be selfcaplanatory, and it just remains to be added that the upper cross member 36 will serve to scrape material cested on the flat top disc 18' into the respective opposite notches 20', such that the material cannot collect or be left resting on the top disc. This again results in the uniterial sinking through the chamber 16 all over the cross section thereof.

The invention is not limited to the rotary arrangement of the valve system, since as already well known the intermediate valve member 22, 22 of a declary culter valve may be arranged to prove in a linear practice. It will be relevant to effect some 3-15 leadings per 24

hours, preferably 6-E feedings, and more than the half of them should be affected during the avening and night

The said conveyor system for supplying fodder to the dispensers is shown only very schematically at 40 in FIĞ. 1.

I claim:

1. A method of effecting feeding in far farms; primarily mink farms, wherein fur bearing animals are located in respective ones of a plurality of cages baving dry fodder containing feeding dispensers with means for supplying portions of fodder contained in said dispensers to the animals, comprising effecting an intermittent supply of fodder portions by means of said dispensers and said means for supplying so as to satisfy the normal feeding requirements of the animals, said interminent supply providing 5-15 feedings par 24 with more than 50% of the feedings being effected during the evening and night hours between 5 p.m. and 7 a.m.

2. A method according to claim 1, wherein the dis-pensers are operable to effect outdoring of measured folder portions, the cages are arranged in a row, and wherein the dispensers for the row of cages are operatively connected in common to a driving station adapted to actuate the dispensers at least five times per 24 hours and such that more than the half of these operations take pace during the evening and night hours between 5 p.m. and 7 a.m.

3. A method according to claim 1, wherein said fur

bearing animals are mink.

4. A method according to claim 1, wherein said intermittent supply provides 6-8 feedings per 24 hours with sinking down all over the cross section of the chamber 50 more than 50% of the feedings being effected during the rening and night hours between 5 p.m. and 7 a.m.

5. A method according to claim 1, wherein said mesns for supplying includes valve mesns in the form of readjusted volumetric dosing valves in each of the dispensen, said valves being operated so as to deliver but a single fodder dose by each feeding in said intermit-

6. A method according to claim 1, wherein said means for supplying includes, in each of the dispensers, valve means controlled by a limited rotational movement of a valve shaft having a radial arm, the cages being arranged in a row, and wherein the radial arms of the dispensers are each pivotally connected to an activator rod which extends along the row of cages, all of the valve means being activated in response to the activator rod being displaced sufficiently to swing the radial arms forth and back through an angle which is less than or equal to 90 degrees, and whereby the activator 25-19-2005 16:12

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Allowable Subject Matter

4. Claims 6, 8-10, 14 and 16-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

5. Applicant's arguments filed 09 December 2004 have been fully considered but they are not persuasive. The crux of applicant's arguments is that Arcntoft does not anticipate the present invention because disks 18 and 26 are not "fixed" to the shaft 14, however the examiner respectfully disagrees. In order to properly examine this limitation one must turn to an accepted definition of "fixed" as defined by Merriam Webster's Collegiate Dictionary, 10th Ed. The verb form of the word "fix," as it appears to be used in claims 1 and 12, is "to make firm, stationary, or stable." Clearly discs 18 and 26 are stationary or stable on the shaft 14. If applicant intends to Discs 18 and 26 are stationary or stable on the shaft 14. If applicant intends to Discs 18 and 26 are stationary or stable on the shaft 14. If applicant intends to a stable in the fixed relationship between the discs and shaft, then the claims should reflect such a limitation. Therefore the examiner maintains that Arentoft discloses the discs and shaft in a fixed relationship.

Conclusion

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(v).

A shortened statutory period for o ply to this final action is set to expire THREF

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

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DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior att are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 1, 2, , 7, 11-12, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Essex (US4,735,171) in view of Arentoft (US 4,922,857).

Essex discloses the claimed invention except the dispending system is different. Essex's animal feeding device comprises a container or hopper 20 for holding animal feed, a circular pipe 26 attached below hopper 20, a dispenser 28 rotateably received in said pipe 26, a motor M, and dispensing spout 36. Essex utilizes a standard spiral auger system for dispensing the animal feed, however there are equivalent structures known in the art for performing the same function. Arentoft teaches an alternate automatic dispensing structure and system (Arentoft, Figures 3-6) comprising shaft 14 and two circular dispensing discs 18', 26' fixed to said shaft. Each of said discs comprises an arc recess, 20' and 28' respectively, said are having a predetermined angle of about 90°, and are considered to be positioned "opposite with each other" (claim 1). Therefore, because these two feed dispensing systems were art recognized equivalents at the time the time the invention was made, one of ordinary skill in the art would have found it obvious to replace Essex's dispensing system with Arentoft's

Regarding claim 2, the distance between dispensing dises 18 and 26 is considered to be about 1 ½", however even if it were not, such a modification would only have involved a mere